

## Rexroth Automation System. Give your ideas free rein

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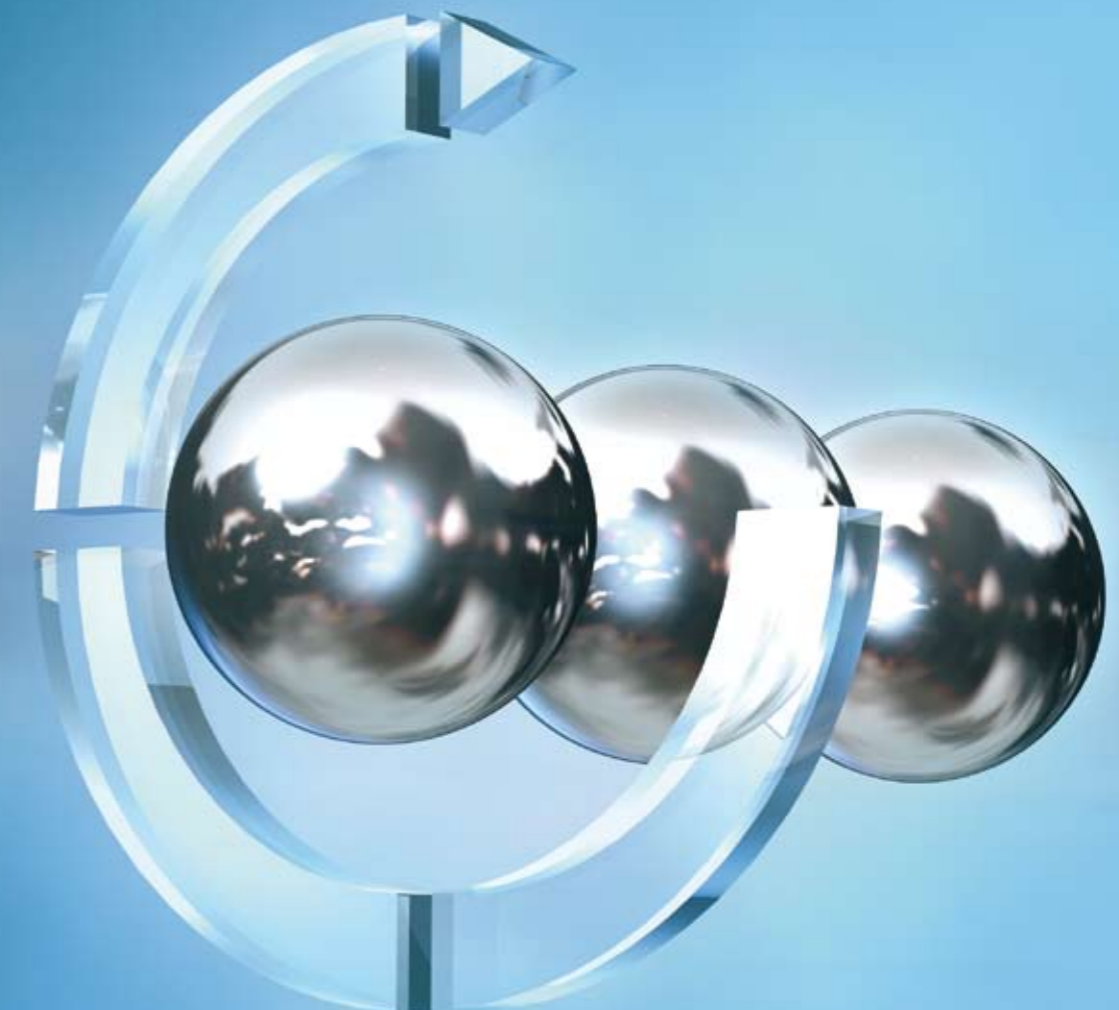
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# Motion in Harmony

Imagine the following: You are developing a tool machine, a packaging machine or a similarly complex system. Until now, the question was: which technology should I choose? Hydraulic, electric or pneumatic? Often with the belief that you can't implement everything that is technically possible you had to make a compromise, well think again! What the market has been seeking for so long has finally become reality at Rexroth: an automation system that brings together all types of drives. We call it the Rexroth Automation System. It will give you new freedom in the development of complex machines and automation concepts.

# 3-in-1: Boundless freedom for your ideas – with the Automation System by Rexroth

### Bring together what belongs together

In the future, the Rexroth Automation System will enable you to plan the optimal technology for your application. The idea is to create an "automation toolbox" that provides modules and components from various control levels using open interfaces, for electric and fluid drives; including optimized SPS, motion control, and CNC controls; that offers you a modular approach, with all the tools for designing your project. All of this is naturally based on open Ethernet real-time communication. With the Rexroth Automation System you gain development time, ensure quicker start-up, implement innovative machine concepts more quickly, and make service and maintenance easier and more efficient. In short: together with Rexroth components that are optimally attuned to one another, your opportunities to differentiate yourself from the competition become greater.



Hydraulic



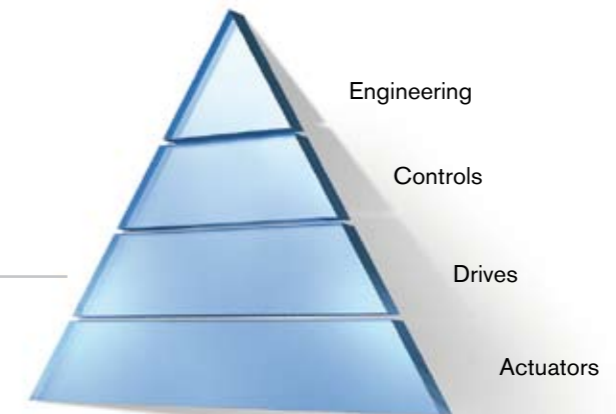
Electronic



Pneumatic



### 3-in-1 with the Rexroth Automation System



## The freedom of being able to choose

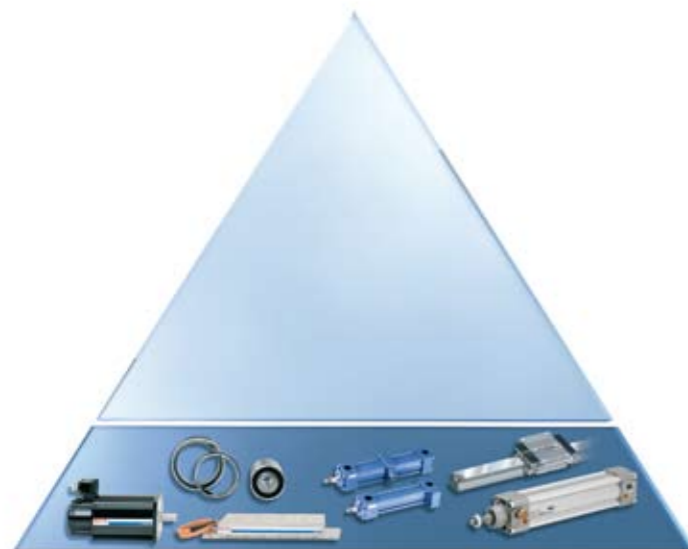
It's not just the coach who has to put together a winning team that dreams of being able to fill all positions perfectly. It's also your ideal solution when you have to put together a "team" that includes sensors, actuators, regulators, and controls in the various disciplines of hydraulics, electrical equipment, and pneumatics. Now you are able to get all the components for your automation need from Bosch Rexroth, the only global supplier of all relevant drive and control technologies, across the entire spectrum of industrial applications. Tried and true solutions, since we have experience with both OEM's machines and the end customer's applications. Therefore you have the certainty that only the very best players are on your team, which is the ideal foundation for success.

## Build in what only Rexroth offers: the future

The Rexroth Automation System combines the most important trends in automation: increasing functional integration, the importance of software, the now-indispensable standardization of interfaces, and the opportunity for third-party solutions. These are all demands that strive towards one goal: easier but more powerful automation.



**The Rexroth Automation System:**  
cover technology-spanning control tasks and enable easier and quicker engineering with continuous software tools.



All technologies for drive and control under one roof; this is only available at Rexroth. Whether you decide on electric, hydraulic or pneumatic actuators, you can find a suitable solution at Rexroth.



Innovative switching and control electronics with efficient interfaces to superior controls are the brain behind effective motion. At Rexroth you can find the optimal electronics for any particular control task.



From the sophisticated SPS function and Motion Logic controls to the high performance CNC, you can find a wide product spectrum, built on standardized, scalable hard- and software components.



A modern and intuitive engineering suite for all automation components saves the system integrator time through fast access to consistent data. Configuration, parameterizing and programming of Rexroth products are continuously and clearly simplified and advanced.

## Expect communication with freedom you could only have dreamed of before

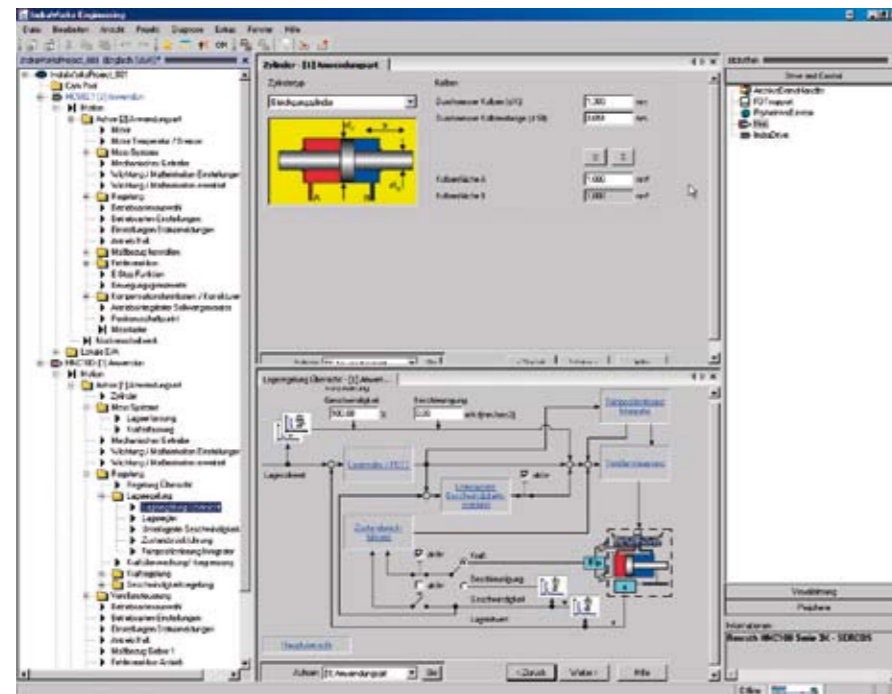
In automation, there are two big challenges when it comes to software: It must enable efficient and comfortable engineering and provide high-performance firmware functions – firmware that supports demanding control and regulation tasks as well as the continuous real-time communication of the various devices. With its open, standardized interfaces for devices and software tools, the Rexroth Automation System guarantees the greatest possible flexibility in both areas. Thus you will profit from the perfect integration capability of different modules even across different platforms and technology boundaries.

## Your advantages at a glance

The Rexroth Automation System uncouples automation technology from drive physics. Thus it opens up new possibilities for innovative machine concepts.

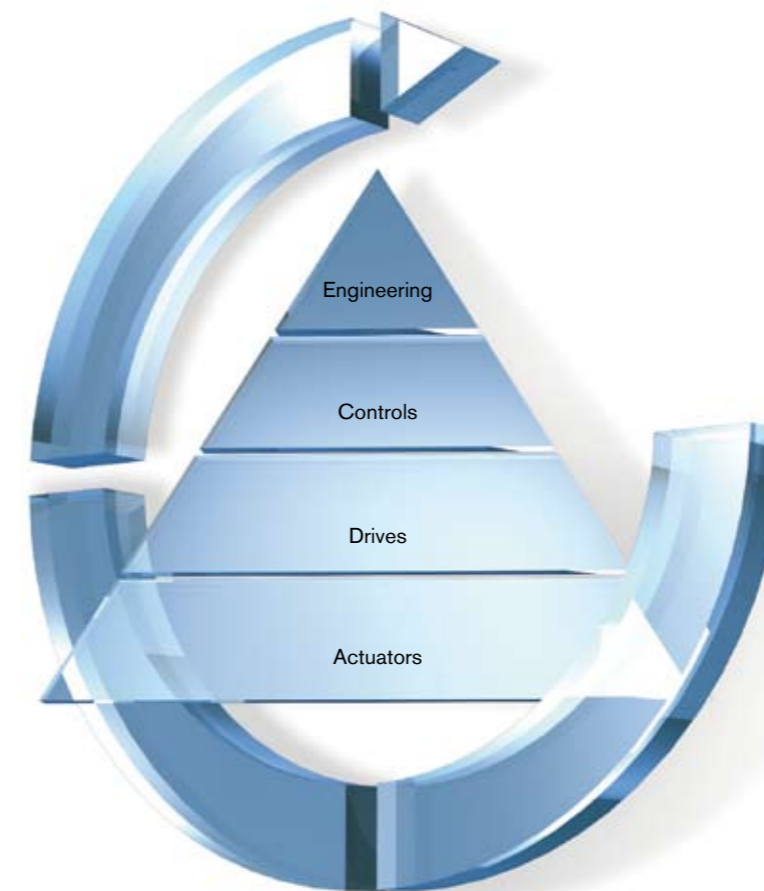


Everything under control, at a glance, as you want it – IndraWorks Engineering Suite



In the IndraWorks Engineering Suite by Rexroth, we have combined all tools you will need for start-up, programming, parametrizing, and diagnosis. IndraWorks is designed in modular fashion and uses the .NET technology to provide uniform software architecture.

3rd-party modules can be integrated easily and the framework technology creates high data transparency. With its modular design, IndraWorks can be adjusted perfectly to suit the job specifications of the automation task.



### One solution, many advantages

**Free component selection**  
New freedom in development with the adoption of the optimal drive technology

**Continuous communication**  
The greatest possible flexibility thanks to open, standardized interfaces

**Intelligent engineering**  
With intuitive handling, quick and secure Plug & Work

**Lower investment costs**  
With the integration of all important functions into the Rexroth control system

**Lower production costs**  
With interface tuning and application programming

**Quicker configuration and start-up**  
With an engineering tool for controls, electric, hydraulic, and pneumatic drives

**Less time spent**  
For program tests, maintenance, and debugging

**Reduced training costs**  
For the benefit of start-up and maintenance personnel